

Clelia 607

Pilot: Tim Askew

Obs. 1: Grant Gilmore

Obs. 2: John Reed

Date: 08/29/01

Visibility: 20'

Depth range- 230'-268'

Time: 17:48-20:29

Jeff's Reef 607

Objectives: Deploy PAMS unit
Point count

General Habitat: Jeff's reef is a large live *Oculina* reef (about 1,000 m in circumference) surrounded by sand flats. The reef consists of large high relief *Oculina* heads to small scattered intact *Oculina* heads. These smaller heads are usually found around the border of the reef and are associated with more dead coral. The sand flats surrounding the reef contain scattered small live and dead *Oculina*, sea whips, and coral/shell rubble.

Invertebrates: A few Holothurians (sea cucumbers) were mostly seen on the sand flats.

Human Impacts:

- Anchor line- 1
- Long line- 2 (one was a large wad of line in the sand area)
- Trash/debri/sheet metal-1 (low relief *Oculina* area)
- Coral table- Live *Oculina* growing on it

Fish:

A. Species seen during motoring around before doing point count

The sub was in transit from 17:53- 18:16 going over the reef onto the sand and back onto the reef

Most of the reef structure during this time period was low- medium relief

- As sub landed on the bottom, a huge school of about 1000+ *Sardinella anchovia* were followed by about 5 *Seriola* sp (3 *S. dumerili*/ 2 *S. rivoliana*)
- *Serranus phoebe* and *Halichoeres* sp. spotted on sand flats

Species seen on low relief live *Oculina*:

- *Hemanthias vivanus* were abundant (1000+) on reef structure
- *Holacanthus bermudensis*, *Chaetodon aya* and *Chromis enchrysurus* were seen on the reef

Commercially Important Species on low relief Oculina

Mycteroperca phenax	2
Mycteroperca microlepis (large male)	1
Mycteroperca bonaci	1
Epinephelus niveatus	1
Lutjanus sp.	1
Calamus sp.	1

B. Point Count- 1 hr 13 min (18:33-19:46)

- Sub deployed PAMS unit and stayed in same place for the point count
- Habitat at this site consisted of scattered low relief Oculina rising gradually into higher relief. The high relief Oculina mounds were about 15-25 feet away from sub. The Oculina close to sub had dead inner branches and live outer, while the Oculina on the ridge in the distance was composed of larger live Oculina heads.
- **Commercially Important Species** during point count:

Mycteroperca phenax	9
Mycteroperca microlepis	3
Epinephelus niveatus	1
Calamus sp.	4
Pagrus pagrus	4

C. After the point count the **sub motored around** to get some good footage from about 19:52-20:25

- Sub moved along the top of reef ridge (lots of live large Oculina heads), down along the slope, onto sand bottom (coral table)
- **Commercially Important Species** seen during this time:
 - *Mycteroperca microlepis-5
 - *Seriola sp like to follow sub when spot light is on so they can hunt fish
 - *Other small species such as S. phoebe, C. enchrysurus, H. martinicensis, H. vivanus and Liopropoma eukrines were seen scattered in the coral during the transect

Other Species Observed

	Acanthurus sp.		Equetus lanceolatus		Paralichthys sp.
A	Anthiinae		Equetus sp.		Plectranthias garrupellus

	Acanthurus sp.		Equetus lanceolatus		Paralichthys sp.
A	Anthiinae		Equetus sp.		Plectranthias garrupellus
S	Apogon sp	F	Equetus umbrosus		Plectrypops retrospinus
	Bodianus pulchellus		Equetus iwamotoi		Pomacetrus sp.
F	Centropristis ocyurus		Gymnothorax moringa		Priacanthus arenatus
	Centropristis striata		Halichores bathyphilus	F	Pristigenys alta
	Centropristis fuscula		Halichores sp	S	Rypticus maculatus
F	Chaetodon aya	A	Hemanthias vivanus		Scorpaena
	Chaetodon ocellatus	M	Holacanthus bermudensis		Serranus flaviventris
F	Chaetodon sedentarias		Holacanthus ciliaris	M	Serranus phoebe
	Chaetodon sp.	A	Holanthias martinicensis	M	Seriola dumerili
	Chromis cyanea		Holocentrus adscensionis	F	Seriola rivoliana
M	Chromis enchrysurus		Holocentrus sp.		Synodus sp
	Chromis scotti		Labridae		Callionymidae
	Decodon puellaris	M	Liopropoma eukrines		Canthigaster urosticta
M	Diplectrum formosum		Ogcocephalus sp.	S	Canthigaster sp

Good shots:

1. Sit-1 During the point count a greyhead Scamp as well as 4 other Scamp come into view.

Habitat: base of reef slope, low relief Oculina looking up to higher relief ridge

with larger Oculina heads

00:13:07 tape time

607-1.mpg

607-1.jpg

2. Sit-2 Coral table with live coral chunks

2 Greater Amberjack come into view

00:28:34 tape time

607-2.mpg

607-2.jpg

3-chip
20:00:50 RT
00:40:10 tape time
607-3.mpg
607-3.jpg

3. 3-chip
Male gag in scattered low relief Oculina
18:10:14 RT
00:20:19 tape time
607-4.mpg
607-4.jpg

or

3-chip
Gag in low/med relief Oculina
00:44:35 tape time
607-5.mpg
607-5.jpg

4. 3-chip- Oculina head close to point count area in view
Yellowtail Reeffish and Red Barbiers in view as well.
00:32:07 Tape time
607-6.jpg

